

SN. 10/088,470

ATTORNEY DOCKET NO. MATS:036

IN THE CLAIMS

*The status of the claims as presently amended is as follows:*

1. *(Currently Amended)* An actuator comprising:

- a pair of yokes opposing each other,
- a magnet fixed to at least one of said yokes,
- a carriage pivotable about a rotary shaft,
- a coil, and
- a holding member made of resin and securing said coil,

wherein said carriage includes a pair of spaced apart coil fitting arms opposing each other, each of said arms having a stepped portion, the stepped portions of said coil fitting arms facing each other, and each of said coil fitting arms having at least one through-hole extending through the respective stepped portion and to the top of the respective coil fitting arm, said through-hole being sized larger at the bottom than at the top of said stepped portion,

wherein said holding member is disposed between said coil fitting arms, and extends into each through-hole to secure said holding member to said carriage, and

wherein the holding member is configured so that the bottom of the stepped portion is substantially flush with the bottom of the holding member, and

wherein said stepped portion is formed at each inner side of a pair of coil fitting arms that support said coil, and said stepped portion and each through-hole are filled with the resin forming said holding member.

2. *(Original)* The actuator of claim 1, wherein said holding member is formed of a resin-filled block.

3. *(Previously Amended)* The actuator of claim 1, wherein said stepped portions are respectively formed on the same sides of said coil fitting arms.

SN. 10/088,470

ATTORNEY DOCKET NO. MATS:036

4. *(Previously Amended)* The actuator of claim 1, wherein a plurality of through-holes are formed at each of said stepped portion.

5. *(Original)* The actuator of claim 1, wherein the sectional size parallel to the bottom of said through-hole is gradually reduced from the bottom toward the top.

6. *(Original)* The actuator of claim 1, wherein the sectional area parallel to the bottom of said through-hole is gradually reduced from the bottom toward the top.

7. *(Original)* The actuator of claim 1, wherein the sectional size parallel to the bottom of said through-hole is gradually reduced up to a specified point from the bottom and is constant from the specified point up to the top.

8. *(Original)* The actuator of claim 1, wherein the sectional area parallel to the bottom of said through-hole is gradually reduced up to a specified point from the bottom and is constant from the specified point up to the top.

9. *(Original)* The actuator of claim 1, wherein said through-hole is formed at a boundary portion between said coil fitting arm and said stepped portion.

10. *(Original)* The actuator of claim 2, wherein the resin is thermoplastic resin.

11. *(Original)* The actuator of claim 2, wherein the resin is thermosetting resin.

12. *(Original)* The actuator of claim 2, wherein the resin is time-lapse setting resin.

SN. 10/088,470

ATTORNEY DOCKET NO. MATS:036

13. (*Previously Added*) The actuator of claim 1, wherein the holding member also has an opposing pair of stepped portions that are complementary to the stepped portions of the coil fitting arms.

14. (*Currently Added*) An actuator comprising:

- a pair of yokes opposing each other,
- a magnet fixed to at least one of said yokes,
- a carriage pivotable about a rotary shaft,
- a coil, and

- a holding member formed of a resin-filled block securing said coil,

wherein said carriage includes a pair of spaced apart coil fitting arms opposing each other, each of said arms having a stepped portions, the stepped portions of said coil fitting arms facing each other and are formed on the same sides of said coil fitting arms, and each of said coil fitting arms having a plurality of through-holes, said through-hole being sized larger at the bottom than at the top of said stepped portion,

wherein said holding member is disposed between said coil fitting arms, and extends into each through-hole to secure said holding member to said carriage,

wherein the holding member is configured so that the bottom of the stepped portion is substantially flush with the bottom of the holding member, and

wherein said through-holes extend through said stepped portions and further extend to the top of said coil fitting arms,

wherein a sectional area parallel to the bottom of the through-holes is gradually reduced from the bottom of the through-hole to a specified point and is constant up to the top of the through-holes from the specified point, and

wherein said stepped portion is formed at each inner side of a pair of coil fitting arms that support said coil, and said stepped portion and each through-hole are filled with the resin forming said holding member.

SN. 10/088,470

ATTORNEY DOCKET NO. MATS:036

15. *(Previously Added)* The actuator of claim 14, wherein the holding member also has an opposing pair of stepped portions that are complementary to the stepped portions of the coil fitting arms.

16. *(Amended)* The actuator of claim 14, wherein ~~each of the holes are~~ the sectional area from the bottom of the through-holes to the specified point is conical trapezoidal shaped.

17. *(New)* The actuator of claim 1, wherein positioning the bottom of said holding member flush with the bottom of said stepped portion allows said coil fitting arms to be thinner.

18. *(New)* The actuator of claim 14, wherein positioning the bottom of said holding member flush with the bottom of said stepped portion allows said coil fitting arms to be thinner.